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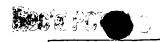
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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(54) Title: CAGED LIGANDS AND USES THEREOF

Ansiract: Provided are caged compounds comprising a ligand that specifically reacts with a receptor not naturally present in the cage is released from the ligand upon illumination of the compound with light. Also provided are cells transfected of interest and a gene encoding a receptor, the gene of interest operably linked to a genetic element capable of being induced by the receptor when bound to a ligand, and the receptor not naturally present in the species of the cell. The cells also a caged ligand of the receptor. Additionally provided are methods of inducing a gene of interest in the above cells. Also methods of repressing a gene of interest in a cell using caged ligands of receptors. Methods are additionally provided for inducing elimination of a target sequence in a cell of a species, using a caged ligand and a recombinase.





20 APR 2005

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/33438

| A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61K 9/00; C12N 1/00, US CL : 424/93.21, 400 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED | | | | |
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| | | 1 'Mt | | |
| Minimum documentation searched (classification system followed by classification symbols) U.S.: 424/93.21, 400 | | | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched | | | | |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet | | | | |
| C. DOC | UMENTS CONSIDERED TO BE RELEVANT | | | |
| Category * | Citation of document, with indication, where ap | propriate, of the relevant passages | Relevant to claim No. | |
| Α | US 5,399,346 A (ANDERSON et al) 21 March 199 | 5, see entire document. | 1-143 | |
| Α | US 6,242,188 B1 (DATTAGUPTA et al) 05 June 20 | 01, see entire document. | 1-143 | |
| A | US 6,258,603 B1 (CARLSON et al) 10 July 2001, se | ee entire document. | 1-143 | |
| ; | | | | |
| | documents are listed in the continuation of Box C. | See patent family annex. | al cal filling date or paigrity. | |
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| "O" documen | t referring to an oral disclosure, use, exhibition or other means | being obvious to a person skilled in the | ne art | |
| "P" document published prior to the international filing date but later than the priority date claimed | | "&" document member of the same patent family | | |
| Date of the a | ctual completion of the international search | Date of mailing of the international search report | | |
| 22 August 2004 (22.08.2004) | | () 22 SEP 2014 | | |
| Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US | | Milhorited office will have for | | |
| Commissioner for Patents | | / James M Spear | top. | |
| P.O. Box 1450 Alexandria, Virginia 22313-1450 | | Telephone No. 703 308 1235 | ′ | |
| Facsimile No | o. (703) 305-3230 | | | |





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| ontinuation of B. FIELDS SEARCHED Item 3: "EST: search terms: caged ligand, ecdysone receptor, steroid ligand, 20-hydroxyecdysone, ponasterone A, muristerone A, okosterone, 3,5,-di-tert-butyl-4-hydroxy-N-isobutyl-benzamide, dibenzoylhydrazine, nitromethoxybenzyl moiety, 1-methyl-4,5-nethoxy-2-nitrobenzene | |
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